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Washington University Record, September 6, 2002

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Record

Sept. 6, 2002

Volume 27 No. 2

Washington University in St. Louis

MetroLink expansion to impact Hilltop traffic

Forest Park Parkway to temporarily close; construction to take 18 months-2 years

By Andy Clendennen

People, get ready — MetroLink is coming to campus.

Preliminary work will begin by the end of September to bring MetroLink past the Hilltop Campus on the north side of Forest Park Parkway.

"The first thing people will see is mid- to late-September when underground utility lines will be relocated near the intersection of Big Bend Boulevard and the parkway," said Steve Hoffner, assistant vice chancellor for students and director of operations. "There will be some traffic restrictions on the parkway beginning in late September, but those should be temporary, a couple of months."

The real work begins next spring, when Forest Park Parkway will be closed from Brentwood Boulevard to at least DeBalivere Avenue and maybe even to Union Boulevard.

A temporary roadway will be available to allow people to enter the parking garages on the north end of campus.

Construction is expected to take from 18 months to two years.

"It's not going to be a pretty picture for a couple of years," Hoffner said. "It will be a challenge to get people around campus, get people to and from campus. We've worked very closely with all the agencies in this area to coordinate our plans, and we think we have a plan that will work."

Included in the plan are concessions to allow limited traffic whenever possible on the parkway.

"From Big Bend through Throop Drive, it will be one-way east bound," Hoffner said, "and from Skinker Boulevard to Throop it will be two-way traffic. We are working with St. Louis County to hopefully install a temporary traffic signal at Snow Way and Big Bend behind Small Group Housing so people who want to go west to Big Bend will be able to."

And because Forsyth Boulevard now will see heavier traffic from people trying to bypass the parkway, talks are ongoing with the city of Clayton for a temporary traffic signal at Forsyth and Hoyt Drive.

When the construction is complete, two underground MetroLink stations will have been erected; one at the corner of

See **MetroLink**, Page 5

Peripheral nerve regeneration is promoted by gel

By Tony Fitzpatrick

It's sticky, it's a gel and it comes in a tube, but this is no greasy kids' stuff. Rather, it's a novel delivery system for peripheral nerve regeneration that could have implications for successful stem cell delivery and spinal cord repair.

Shelly Sakiyama-Elbert, Ph.D., assistant professor of biomedical engineering, has designed a system that employs a nerve guide tube filled with a gel containing growth factor proteins that stimulate nerve regeneration. Also part of the package are strategically placed sugars and peptides for binding in the gel matrix.

The system has promoted peripheral nerve regeneration in preliminary rat studies.

Sakiyama-Elbert

The clinical gold standard for peripheral nerve regeneration involves taking a nerve from a donor site on the injured person's body and sewing the donor nerve in between the two ends of the injured nerve. Though the nerve is dead, it provides a pathway that can guide the regeneration of the injured nerve.

This is problematic because it creates an injury to be addressed at the donor site, and there is a limit to the amount of donor tissue you can use from a patient. Furthermore, there is no guarantee that the donated nerve will come to life in a new site.

Another alternative is the use of cadaver nerves, which runs a

See **Nerves**, Page 2

MARY BUTKUS

MARY BUTKUS

Teaching community involvement

Above, freshman Sheief Gaber (left) and senior Annabelle De St. Maurice pull weeds at Hamilton Elementary School Aug. 31 during the fourth annual Service First, an initiative that introduces students to community service. More than 1,000 students attended the event, helping to clean, update and renovate eight St. Louis public schools and two University City schools. Projects ranged from painting to decorating bulletin boards to gardening. Meanwhile, at right, seniors Derek Lonse and Kate Kelly take a break from painting the playground at Washington Montessori School to paint each other's faces.

Assembly Series

Sept. 11 speakers open fall schedule

By Barbara Rea

A Pulitzer Prize-winning journalist who directed his paper's coverage of Sept. 11 and a Ground Zero volunteer will share the podium during a special Assembly Series event marking the one-year anniversary of the terrorist attack on the United States.

The event, which is the first lecture of the Assembly Series' fall season, will be held at 11 a.m. Sept. 11 in Graham Chapel.

As national editor for *The Boston Globe*, **Kenneth J. Cooper** is responsible for the paper's domestic news coverage. It is from this vantage point that he will share the challenges inherent in covering the unprecedented disaster as it unfolded.

Sarah M. Kaufman, a recent University graduate who now lives and works in New York City, will discuss her experience as a volunteer near Ground Zero.

For most of Cooper's 25 years in journalism, he has focused on government, politics and social issues. A University alumnus, his first job was with *The St. Louis American*, then the *St. Louis Post-Dispatch*. He left St. Louis in 1980

See **Series**, Page 6

Sept. 11 — One year later

The Assembly Series program dedicated to the anniversary of Sept. 11 is the first of two events planned by the University that day.

An evening program, set for 7 p.m. in Brookings Quadrangle, will offer another opportunity for reflection and remembrance. The program will include brief remarks from members of the University community, a choral and dance performance and a candlelight vigil.

In addition, the University will host a blood drive from 5-10 p.m. that day in Friedman Lounge in Wohl Student Center. **(See story, Page 2.)**

Family tree Rare bone disorder links gene deletion in two Navajo patients

Whyte

By Gila Z. Reckess

Two seemingly unrelated Native Americans have one painful thing in common: juvenile Paget's disease (JPD), an extremely rare bone metabolism disorder. Researchers in the School of Medicine and Shriners Hospitals for Children have discovered that these two patients also share a unique genetic defect.

The research team found that both patients are completely missing the gene for a recently discovered protein called osteoprotegerin, known to protect bone. The study, which appeared in a recent issue of *The New England Journal of Medicine*, is the first to identify a genetic cause for JPD.

"By identifying this genetic defect in two people, our results not only provide insight into the cause of JPD, but also shed light on the control of bone metabolism in general," said lead investigator Michael P. Whyte, M.D., professor of medicine, of pediatrics and of genetics, and director of the Center for Metabolic Bone Disease and Molecular Research at Shriners. "Understanding how the skeleton forms and breaks

See **Disorder**, Page 3

Work, Families and Public Policy series scheduled to begin Sept. 9

BY JESSICA N. ROBERTS

Faculty and graduate students from this and other St. Louis-area universities with an interest in topics relating to labor, households, health care, law and social welfare are invited to take part in a series of Monday brown-bag luncheon seminars to be held biweekly through December.

Now in its seventh year, the "Work, Families and Public Policy" series features one-hour presentations on current research interests of faculty from across the University and from other local and national universities.

The presentations, which are from noon-1 p.m. in Eliot Hall, Room 300, are followed by a half-hour discussion period.

Robert A. Pollak, Ph.D., the Hernreich Distinguished Professor of Economics in Arts & Sciences and the Olin School of Business, has been the lead organizer for the series for the past five years. Michael W. Sherraden, Ph.D., the Benjamin E. Youngdahl Professor of Social Development and director of the Center for Social Development at the George Warren Brown School of Social Work, is co-organizer.

The series is designed to promote interdisciplinary research. Upcoming seminars are:

Sept. 9: David Cutler, Ph.D., professor of economics at Harvard University: "Why We're Healthier Than We Used to Be";

Sept. 23: Barton Hamilton, Ph.D., associate professor of economics, management and entrepreneurship at the Olin School: "Economic Evaluation of AIDS Clinical Trials";

Oct. 7: Margaret Brinig, J.D., Ph.D., the Edward A. Howry Professor at the University of Iowa College of Law: "Race, Kinship Care, and Adoption: Does Legal Status Matter?"

Oct. 21: Jeremy Greenwood, Ph.D., professor of economics at the University of Rochester: "Engines of Liberation";

Nov. 4: Daniel Hamermesh, Ph.D., the Edward Everett Hale Centennial Professor of Economics at the University of Texas: "Routine";

Nov. 18: Robert A. Pollak, Ph.D., the Hernreich Distinguished Professor of Economics in Arts & Sciences and the Olin School: "Family Bargaining and Long Term Care"; and

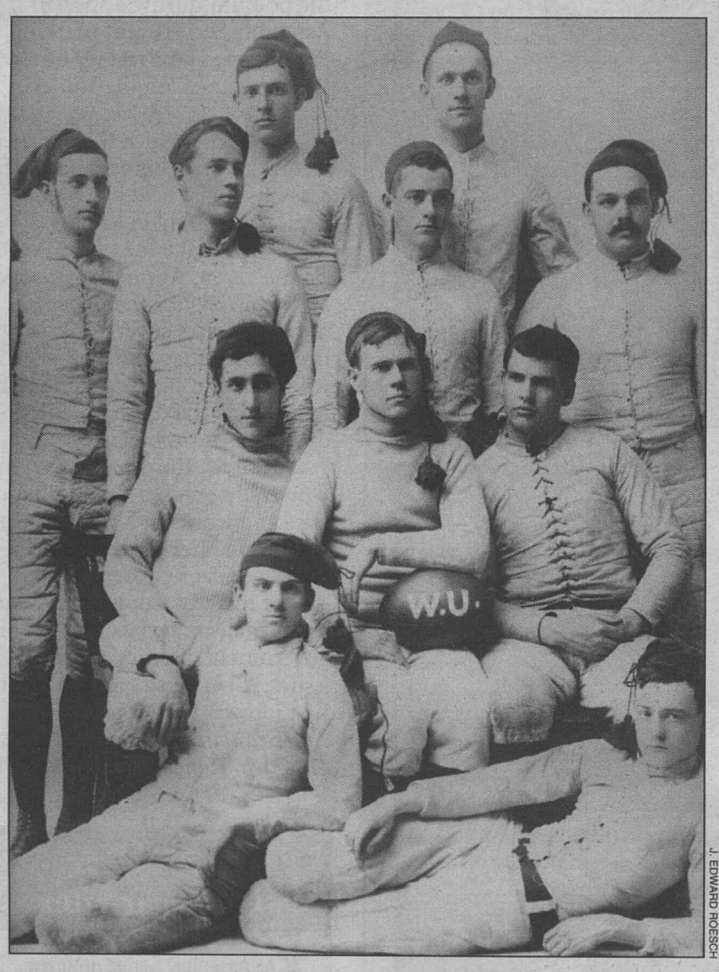
Dec. 2: Timothy McBride, Ph.D., associate professor in the departments of economic, public policy administration and gerontology at the University of Missouri-St. Louis: "Patterns of Individual Health Insurance Coverage in the U.S.: Implications for Insurance Reform."

The series is sponsored by the Olin School, GWB, the Center for Social Development, the Center for Interdisciplinary Studies in the School of Law, the Department of Economics and the Graduate School of Arts & Sciences.

The classroom is courtesy of the Weidenbaum Center on the Economy, Government, and Public Policy. Coffee and soft drinks will be provided.

For more information, visit www.olin.wustl.edu/fs/topicalseminars.cfm?topic=7, or contact Pollak (935-4918; pollak@olin.wustl.edu) or Sherraden (935-6691; sherrad@gwbmail.wustl.edu).

PICTURING OUR PAST



J. EDWARD ROESCH

Athletics at the University had been primarily intramural before this football team took the gridiron in 1890. The team above hammered the University of Missouri, 28-0, on Thanksgiving Day, lending a sense of pride to the team and its fans. The team was originally known as the "Pikers," in honor of the midway criers of the 1904 World's Fair. Through the 2001 season, the football team has compiled a 428-421-27 all-time record. The 2002 Bears will host their season-opener at 4 p.m. Sept. 7 against Simpson College at Francis Field.

WASHINGTON UNIVERSITY IN ST. LOUIS 150 years 1853–2003 *Treasuring the Past Shaping the Future*

Washington University will be celebrating its 150th anniversary in 2003-04. Special programs and events will be announced as the yearlong observance approaches.

MARY BUTKUS

Hartkopf professor Olin School of Business Dean Stuart I. Greenbaum, Ph.D. (right), awards the first Harry C. Hartkopf professorship medallion to Siddhartha Chib, Ph.D., in an Aug. 30 ceremony at the Olin School's Charles F. Knight Executive Education Center. The professorship, established by University alumni Horty and Howard Kuehner, honors Horty Kuehner's deceased father, a longtime leader in the St. Louis banking community.

Nerves

Growth factor proteins in gel promote regeneration

– from Page 1

risk of rejection.

Sakiyama-Elbert, working with Susan Mackinnon, M.D., the Sydney M. Shoenberg Jr. and Robert H. Shoenberg Professor of Plastic and Reconstructive Surgery and head of the Division of Plastic and Reconstructive Surgery in the School of Medicine, places exogenous sticky material capable of binding growth factors throughout the gel, causing the growth factor proteins to remain in the gel for months because they keep tripping over the sticky material.

These binding sites can be tuned according to how fast the drug needs to be released for successful regeneration. Timed release is a key component of her system, because a real limitation is having the proteins diffuse out in a day or two, which is the case with many currently used systems.

Sakiyama-Elbert recently presented these results at a conference hosted by the Plastic Surgery Research Council April 18-20 in Boston. Her work is sponsored by the Whitaker Foundation.

Another approach to peripheral nerve regeneration that Sakiyama-Elbert is testing involves creating her own protein consisting of a growth factor and two different domains — a cross-linking site and a substrate for an enzyme that cleaves the growth factor at just the time a regenerating nerve cell would be migrating through the matrix.

This cell-activated drug delivery system also is incorporated into a gel and delivered from a nerve guide tube, and it's a great example of a new area known as biologically responsible materials.

Stem cells for spinal cord repair

Sakiyama-Elbert also is one of very few researchers looking into matrixes for spinal cord damage, such as the kind that actor Christopher Reeve suffered years ago and from which he has not recovered. She is collaborating with John McDonald, M.D., Ph.D., assistant professor of neurobiology in the School of Medicine.

McDonald already has treated spinal cord injuries in rats with embryonic stem cells; the problem is that most of the stem cells died after transplantation. Sakiyama-Elbert is hopeful that her matrix/tube delivery system will allow 50 percent to 75 percent survival of the stem cells by providing a more hospitable environment for the cells immediately after transplantation.

"The overall goal of this direction of my research is to apply novel bioengineering technology to allow controlled release of growth factors from scaffolds that facilitate the regeneration of adult spinal cord axons through and beyond spinal cord lesions," Sakiyama-Elbert said. "The scaffolds are drug-delivery systems consisting of protein matrices containing growth factors that are released in a sustained manner during tissue regeneration."

The scaffolds can be further modified by adding embryonic stem cells during polymerization, a process where small molecules are combined together to form larger ones.

"The embryonic stem cells can repopulate the injured spinal cord and serve as a source of nerve growth factors during regeneration," Sakiyama-Elbert said.

First of six blood drives Sept. 9-12

The first of six blood drives on the Hilltop Campus this year will be Sept. 9-12 and is sponsored by the American Red Cross.

Co-sponsors include Circle K, Human Resources and Pi Phi sorority.

On **Sept. 9-10**, the blood drive will run from 11 a.m.-4 p.m. at The Gargoyle. On **Sept. 11-12**, the drive will be from 5-10 p.m. in Friedman Lounge in Wohl Student Center.

Other blood drives will be held: **Oct. 7-10**, sponsored by the Gateway Blood Association, Alpha Phi Omega, Congress of the South 40 and the Office of Human Resources; **Nov. 11-14**, sponsored by the American Red Cross, Student Life, Circle K and the Office of Human Resources; **Jan. 27-30**, sponsored by the Gateway Blood Association, Congress of the South 40 and the Office of Human Resources;

Feb. 24-27, sponsored by the American Red Cross, Congress of the South 40 and the Office of Human Resources; and **March 31-April 3**, sponsored by the Gateway Blood Association, Community Service Staff and the Office of Human Resources.

Organizations, including residential colleges and Greek houses, that wish to co-sponsor a blood drive should call Stephanie Kurtzman in the Office of Student Activities at 935-5994.

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Washington University in St. Louis

School of Medicine Update

New unit offers new hope Kids with HIV have local access to clinical trials

BY DARRELL E. WARD

A new Pediatric AIDS Clinical Trials Unit (PACTU) in the School of Medicine provides local access to clinical trials for children and teens with HIV infection.

Previously, children in the region who were infected with HIV, the virus that causes AIDS, had to travel to the National Institutes of Health in Washington, D.C., to participate in clinical trials for the disease.

"We have always had a complete clinical program to treat children with HIV infection," said Gregory A. Storch, M.D., professor of pediatrics, of medicine and of molecular microbiology and director of the PACTU. "The University has operated one of the most successful adult AIDS clinical trials units in the nation for many years. Now we also can offer a full range of HIV-related clinical trials to pediatric patients."

Clinical trials offered by the unit focus on testing new drugs and drug combinations to fight the virus. Some studies track the course of the disease in children taking medication and test the effectiveness of drugs and therapeutic vaccines in boosting the body's response to HIV.

The unit, which opened last May, also will participate in studies investigating ways to further reduce transmission of HIV from infected pregnant women to their babies.

The medical school's pediatric infectious diseases program follows about 50 patients under age 21 who are infected with HIV, most of whom are older children or teenagers, said Kathleen A. McGann, M.D., associate professor of pediatrics and co-director for the PACTU.

"It is rare today to have an infant or baby as a new patient," McGann said. "It used to be that 25 percent to 30 percent of infants born to mothers with HIV infection acquired the virus. Now, it's 5 percent or less."

This dramatic drop is due to the tremendous success of drug treatments that prevent transmission of HIV from mother to infant. For many people, the introduction of combination drug therapy in 1996 has changed HIV infection from a terminal illness to a chronic one.

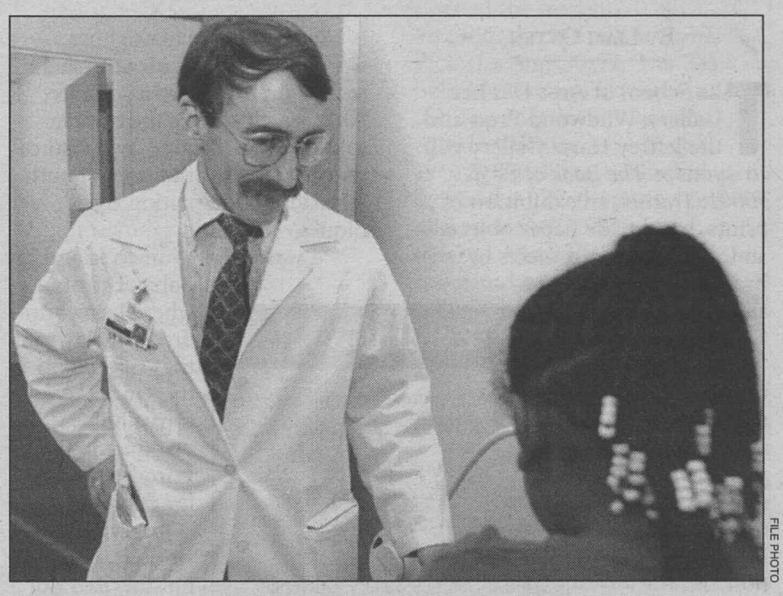
"Medications available today prolong life and improve the quality of life for many patients," McGann said. "Instead of slowly wasting away as they once did, the majority of children with HIV infection can go to school and participate in normal activities."

But children infected with HIV still face an uncertain future.

"The biggest challenge now is that children may develop viruses that are resistant to the medications," McGann said. "Our hope is that new drugs will be developed in time to help them."

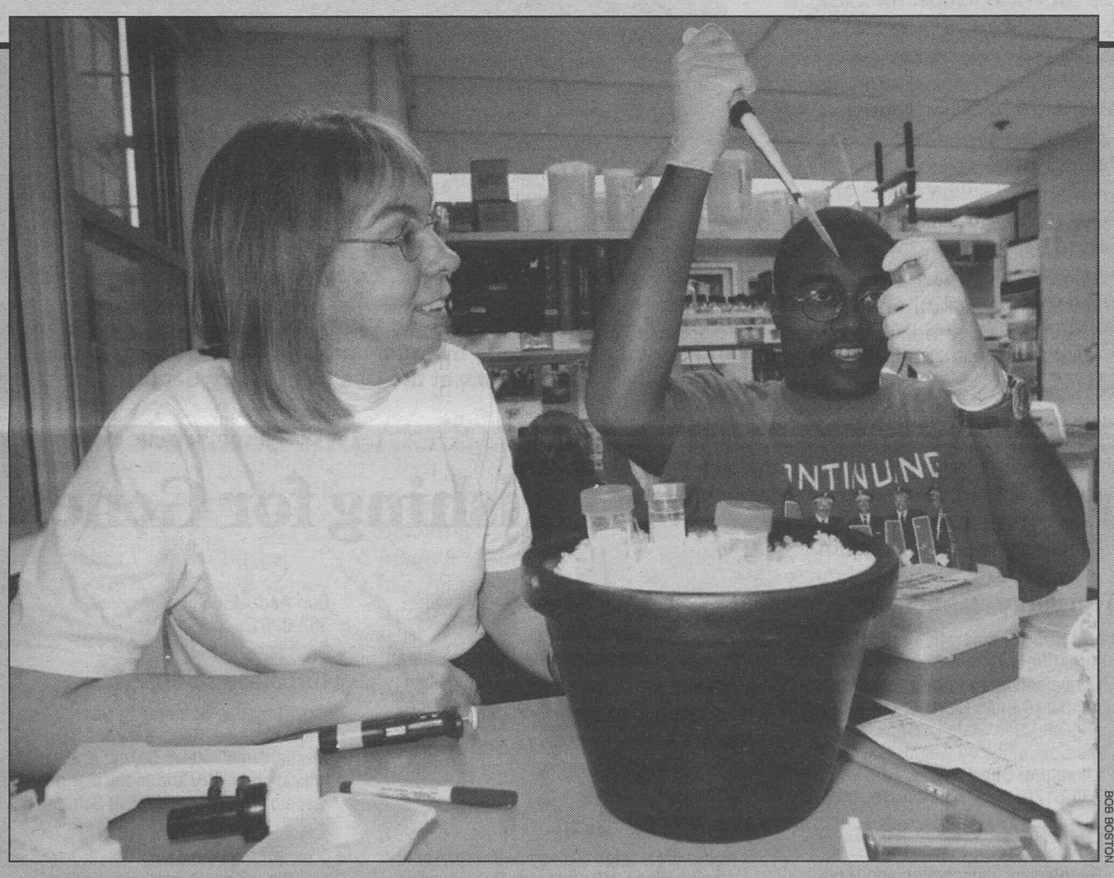
And as those drugs are developed, they will be tested through clinical trials. Trials also are needed to identify drugs and drug combinations that have fewer side effects and are less complicated. Some drug regimens today require that children take up to 20 pills a day.

"We want to be optimistic, but no one knows how long these treatments will remain effective or what their long-term effects and complications will be," Storch said. "Unfortunately, we still have a long way to go in the fight against HIV disease."



FILE PHOTO

Gregory A. Storch, M.D., says he's thrilled that local children now will have access to drug trials and therapies. Here he examines a 6-year-old patient with HIV infection.



BOB BOSTON

Enraptured Maurine Linder, Ph.D., works in the lab with student Adonis McQueen at the Biomedical Research Apprenticeship Program (Bio Med RAP) last summer. Bio Med RAP is a summertime program that prepares disadvantaged and ethnic students who are underrepresented in biomedical sciences for Ph.D. and M.D. programs. Bio Med RAP exposes undergraduate students to cutting-edge science and technology and offers in-depth research experience. The 10-week program also features journal clubs, seminars and individualized career counseling.

Disorder

Patients share a unique genetic defect

– from Page 1

down is key to developing ways to diagnose and treat bone disorders in children and adults, including adult Paget's disease and osteoporosis."

JPD has been reported only in about 40 people worldwide. The painful skeletal disease is characterized by abnormally fast formation and breakdown of bone throughout the body, resulting in debilitating fractures and deformities beginning soon after birth.

These features are similar to the much more common adult disease called Paget's disease of bone, the second most prevalent metabolic bone disorder after osteoporosis. But JPD appears to affect all bones in the body, whereas Paget's disease of bone involves only a select few.

The research team examined DNA samples from two Native Americans. The first was referred to St. Louis from New Mexico in 1996 for confirmation of diagnosis and treatment at 1 year of age. The team later learned that a second JPD patient, described in medical literature in 1979, also was living in New Mexico. The second patient contacted the investigators and voluntarily sent her blood samples for genetic study.

> "By identifying this genetic defect in two people, our results not only provide insight into the cause of JPD, but also shed light on the control of bone metabolism in general."
>
> MICHAEL P. WHYTE

The researchers tested the patients' blood for a gene that makes osteoprotegerin, a protein discovered only a few years ago. Recent studies have found that mice lacking the protein have a condition in which bone formation and breakdown is rapid, seemingly similar to osteoporosis.

The results were surprising. Neither patient had any trace of the gene for osteoprotegerin.

"At first we thought there must be something wrong with our DNA studies," said Steven Mumm, Ph.D., research assistant professor of medicine and one of the lead investigators of the study. "Instead, we realized this was a major finding."

Genetic analysis of healthy individuals confirmed the expected presence of two copies of the gene for osteoprotegerin. However, analysis of the JPD patients' healthy parents revealed that each had only one copy of the gene.

Furthermore, no osteoprotegerin was found in the blood of the two patients with JPD. The researchers conclude that these results provide both a cause and a mechanism for this rare bone disease, at least for these two Native Americans.

Thanks to simultaneous advances in the Human Genome Project, centered in part at the University, the team was able to pinpoint exactly where DNA had broken off in these two patients.

The results were startling: The genetic damage was identical in both patients. The researchers concluded that these two patients likely share a common ancestor, perhaps dating back a century or more.

"In a way, this also is a sociology story," Whyte said. "Our findings appear to represent the emergence of a 'founder effect' in this population that underwent a 'bottleneck' constriction years ago.

"The Navajo Nation decreased from perhaps several hundred thousand individuals to about 6,000 in the 1860s. As the population then regrew, the missing gene apparently was passed on to their offspring. Eventually, people with only one copy of the osteoprotegerin gene married and had children with no copies of the gene."

The team now is evaluating other patients worldwide with varying forms of JPD, who so far do not appear to have any defects in the osteoprotegerin gene.

According to Whyte, this research will not only enable prenatal diagnosis for JPD in the Navajo population, but also suggests that osteoprotegerin may be a potential treatment for affected individuals. They also expect their findings to help elucidate the role of osteoprotegerin and other key proteins in bone formation and breakdown, shedding light on Paget's disease of bone, osteoporosis and other common metabolic bone disorders.

Urban renaissance thrives in Forest Park Southeast

BY KIMBERLY LEYDIG

Urban renewal has a bleak history in the city of St. Louis.

But the School of Medicine's efforts in the Forest Park Southeast Neighborhood are a testament that blighted areas can come back to life.

The medical school will showcase its longstanding efforts to revitalize the historic city neighborhood from 10 a.m.-3 p.m. Sept. 14 by hosting its first neighborhood showcase.

The event features free home-improvement workshops, tours of homes and the McCormack House II senior-assisted living facility along with open houses at businesses, organizations and churches. The St. Louis Science Center and Artworks also will provide an array of activities for all ages.

"The whole purpose of the event is to market the neighborhood," said Brian Phillips, Washington University Medical Center redevelopment executive director. "We've been working here for several years, and we now feel comfortable bringing people in to look at the opportunities here."

The medical school joined forces with Barnes-Jewish Hospital three years ago to rebuild the area as part of a $200 million revitalization plan, which is partially funded by the medical center's Redevelopment Corporation.

One of the effort's highlights is the employee-assisted housing program, said Phillips. "BJC and medical school employees are eligible for up to $4,000 for down payment and closing cost assistance," he said.

The event will offer expert advice on how to utilize economic development tools such as the historic housing tax credit and tips on rehabbing city homes.

Depression study needs volunteers

The School of Medicine is studying the effectiveness of an investigational drug for depression. If you haven't been helped by other antidepressant medications, you may be eligible to participate in a research study. Participants will receive free clinical evaluation and follow-up for depression during 27 weekly visits. For more information, call 362-5227.

Old computers benefit people with disabilities

Do you have an old computer gathering dust in the basement? The Occupational Therapy Program in the School of Medicine has 50 reasons why it's time to get rid of it.

Donate old Pentium-based PCs or laptops Sept. 7-8 and 14-15 and Gateway Country will issue a $50 coupon to be used toward any Pentium 4-based PC or laptop purchase. The donated computers collected from the drive, which is also sponsored by Paraquad and the Jim Mullen Foundation, will benefit local people with disabilities. Computers must be dropped off at Gateway stores across St. Louis.

University Events

Book of Roofs by Josely Carvalho at Des Lee Gallery

BY LIAM OTTEN

The School of Art's Des Lee Gallery, Wildwood Press and the Jeffrey Hartz Gallery will co-sponsor *The Book of Roofs, #0001: Tracajá*, an exhibition of prints, handmade paper objects and digital media projects by Brazilian-born artist Josely Carvalho.

The exhibition opens with a reception for the artist from 5:30-9 p.m. Sept. 13 and remains on view through Oct. 27. Both the exhibition and the opening reception are free and open to the public.

Carvalho, a 1980 graduate of the School of Architecture, is widely known for creating artists' books and silkscreen prints that address issues of identity, social justice and the intersection of personal and collective memory. In recent years, she has increasingly developed multimedia and Internet-based projects, explaining that, "I consider my work as a loose-leaf conceptual book: paintings, objects, video, book art, poetry, installations, Web works are the hybrid pages of this nonlinear chronicle."

Exhibition

Who: Washington University's School of Art's Des Lee Gallery

What: *The Book of Roofs, #0001: Tracajá*, prints, handmade paper objects and digital media by Josely Carvalho

Where: Des Lee Gallery, University Lofts building, 1627 Washington Ave.

When: Sept. 13-Oct. 27. A reception for the artist will be held from 5:30-9 p.m. Sept. 13

Cost: Free and open to the public

Hours: 4-7 p.m. Fridays, 11 a.m.-6 p.m. Saturdays, 1-4 p.m. Sundays and by appointment

Sponsors: Wildwood Press, Jeffrey Hartz Gallery and the School of Art

Book of Roofs, an ongoing work based on the idea of "shelter" — or, in the artist's phrase, "that which houses the human soul" — was inspired by a chance encounter with traditional South American construction techniques.

"I was walking on an island in Bahia, Brazil, where I saw hundreds of clay roof tiles stacked on the sand," Carvalho recounts in her introduction to the project. "Observing the workers, I was mesmerized not only by the labor-intensive process of their work (firing, carrying, piling, hoisting, installing), but by the communal sense the work and the materials evoked. I saw their labor as art and transposed it to a public setting."

Book of Roofs debuted in 1997 as a physical installation of 3,000 Colonial-style clay tiles; today, it continues to evolve as a Web-based project (www.book-of-roofs.net), weaving image, text and sound into resonant mediations on such "shelters" as the mother's womb, the human body and the coffin or urn that holds our final remains.

For the St. Louis exhibition, Carvalho and Maryanne E. Simmons, master printer of Wildwood Press, created 40 original prints that combine sculptural and architectural motifs drawn from Indian temples with elements of Carvalho's personal iconography. (Chief among these is the tracajá, or turtle, which the artist previously featured in her 1991 book *My Body is My Country* and which she has described as a metaphor for "the wandering immigrant.")

The exhibition also features 300 paper-cast roof tiles and five digital prints accompanied by a video of religious ceremonies in India and Nepal, including a cremation, daily rituals in the River Ganges and a sacrifice to Kali, goddess of creation and destruction.

Carvalho, who lives in New York, has exhibited at venues ranging from the Museum of Modern Art, the Tyler School of Art, Philadelphia and Kenyon College, Ohio, to the Casa de Las Americas, Cuba; the Casa del Lago, Mexico City; the Museo de Bellas Artes, Caracas, Venezuela; and the Museu de Arte and Museu de Arte Contemporanea, both in Sao Paulo, Brazil.

Des Lee Gallery hours are 4-7 p.m. Fridays, 11 a.m.-6 p.m. Saturdays, 1-4 p.m. Sundays and by appointment. The gallery is located in the University Lofts building, 1627 Washington Ave.

For more information, call 621-8537.

COURTESY PHOTO

***Book of Roofs: #0001 Tracajá 14*, one in a suite of 40 photolitho-and-mixed-media prints by artist and architecture alumnus Josely Carvalho, will be on view at the Des Lee Gallery Sept. 13-Oct. 27.**

Why We're Healthier Than We Used to Be • Fishing for Genes

"University Events" lists a portion of the activities taking place at Washington University Sept. 6-19. Visit the Web for expanded calendars for the Hilltop Campus (www.wustl.edu/calendar) and the School of Medicine (medschool.wustl.edu/calendars.html).

Exhibitions

The Book of Roofs, #0001: Tracajá. Josely Carvalho. Photolitho-and-mixed-media prints. Sept. 13-Oct. 27. Des Lee Gallery, 1627 Washington Ave. 621-8537.

H.W. Janson and the Legacy of Modern Art at Washington University in St. Louis. Exhibition from the University collection. Through Dec. 8. Gallery of Art. 925-4523.

Targets. Christian Jankowski, video artist. Through Dec. 8. Gallery of Art. 935-4523.

Lectures

Friday, Sept. 6

9:15 a.m. Pediatric Grand Rounds. "State of the Department." Alan L. Schwartz, Harriet B. Spoehrer Professor and Chair, Dept. of Pediatrics. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell Biology & Physiology lecture. "Control of Lysosomal Degradation." Robert C. Piper, asst. prof. of physiology & biophysics, U. of Ia. McDonnell Medical Sciences Bldg., Rm. 426. 362-6950.

Monday, Sept. 9

Noon. Molecular Biology and Pharmacology lecture. "New Insights Into the Vertebrate Segmentation Clock." Olivier Pourquié, assoc. scientist, Stowers Inst. for Medical Research, Kansas City, Mo. South Bldg., Rm. 3907, The Phillip Needleman Library. 362-0183.

Noon-1 p.m. Work, Families, and Public Policy Seminar Series. "Why We're Healthier Than We Used to Be." David Cutler, prof. of economics, Harvard U. Eliot Hall, Rm. 300. 935-4918.

4 p.m. Biology seminar. "Studying the Evolution of Developmental Processes Lessons From Segmentation and Neurogenesis." Diethard Tautz, prof. of genetics, U. of Cologne, Germany. Rebstock Hall, Rm. 322. 935-6719.

5:30 p.m. Radiology lecture. Annual G. Leland Melson Visiting Professorship and Lecture. "Microbubble Contrast Agents for Ultrasound: Their Role in the Imaging of Liver and Renal Masses." Stephanie Wilson, prof. of medical imaging, U. of Toronto. Scarpellino Aud., 510 S. Kingshighway Blvd., Lvl. 1. 362-2866.

7 p.m. Architecture Monday Night Lecture Series. "Space, Light, and My Works." Hisao Kohyama, prof. and former dean of architecture, Tokyo U. (Reception, 6:30 p.m., Givens Hall.) Steinberg Hall Aud. 935-6200.

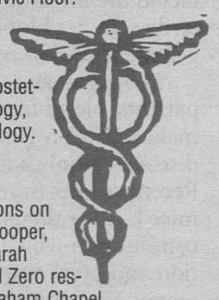
Tuesday, Sept. 10

4 p.m. Anesthesiology Research Unit Seminar Series. "Fishing for Genes Controlling Hypoxic Cell Death." Michael Crowder, asst. prof. of anesthesiology. Clinical Sciences Research Bldg., Rm. 5550. 362-8560.

4 p.m. International Writers Center seminar. "The Art of Biography." Carolyn Burke, literary biographer. McMillan Café. 935-5576.

Wednesday, Sept. 11

8 a.m. Obstetrics and Gynecology Grand Rounds. "The Pelvic Floor: What It Is and How It Works." L. Lewis Wall, assoc. prof. of obstetrics and gynecology, dir. of urogynecology. 362-1016



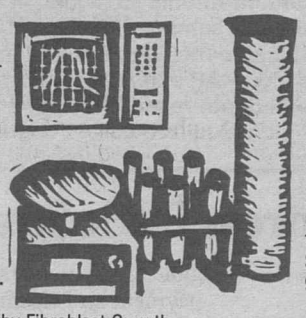
11 a.m. Assembly Series. "Reflections on 9/11." Kenneth Cooper, journalist, and Sarah Kaufman, Ground Zero rescue volunteer. Graham Chapel. 935-4620.

3 p.m. Comparative Literature lecture. "Doing the Police: On the Waste Land's Hard-Boiled Narrativity." Brian McHale, prof. of English, Ohio State U. Sponsored by the Committee on Comparative Literature. South Brookings Hall, Rm. 100. 935-5170.

Thursday, Sept. 12

11:30 a.m. Comparative Literature lecture. "Postmodern Pop Collage: A Conversation on Bathelme and Ashbery." Brian McHale, prof. of English, Ohio State U. Sponsored by the Committee on Comparative Literature. Duncker Hall, Rm. 101. 935-5170.

Noon. Genetics Seminar Series. "Polonies: PCR Colonies for Genotyping, Haplotyping and High-Throughput DNA Sequencing." Rob Mitra, post-doctoral fellow in genetics, Harvard Medical School. 362-2139.



3 p.m. Siteman Cancer Center Basic Science Seminar Series. "Regulation of Skeletal Growth by Fibroblast Growth Factors and FGF Receptors." David Ornitz, prof. of molecular biology and pharmacology. Eric P. Newman Education Center. 454-8566.

4 p.m. Biology seminar. "Defining the Ancestral Pattern of Head Development in Anuran Amphibians." Jim Hanken, prof. of herpetology, Museum of Comparative Zoology, Harvard U. Rebstock Hall, Rm. 322. 935-4656.

4 p.m. Chemistry seminar. "The Structural Biology, Chemistry, and Physics of Vancomycin." Paul H. Axelsen, assoc. prof. of pharmacology and of medicine, U. of Penn. (Coffee preceding.) McMillen Lab, Rm. 311. 935-6530.

4 p.m. Ophthalmology and Visual Science Seminar Series. "Aldo-Keto Reductases and the Stress Response." Mark Petrash, prof. of ophthalmology and visual sciences and of genetics. East Pavilion Aud. 362-1006.

Friday, Sept. 13

9:15 a.m. Pediatric Grand Rounds. "NeuroAIDS." David Clifford, Seay Professor of Clinical Neuropharmacology and head of neurology. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell Biology & Physiology seminar. "Molecular Chaperones and ER Protein Quality Control." Jeffrey L. Brodsky, assoc. prof. of biological sciences, U. of Pittsburgh. McDonnell Medical Sciences Bldg., Rm. 426. 747-4233.

Monday, Sept. 16

Noon. Molecular Biology & Pharmacology seminar. "Centrosome Regulation at the Nucleolus." Jason D. Weber, asst. prof. of cell biology & physiology. South Bldg., Rm. 3907, The Phillip Needleman Library. 362-0183.

4 p.m. Biology seminar. "Molecular, Biochemical and Genetic Dissection of the Plastid Division Machinery in Plants." Katherine Osteryoung, assoc. professor of plant biology, Mich. State U. Rebstock Hall, Rm. 322. 935-7888.

Tuesday, Sept. 17

4 p.m. Anesthesiology Research Unit Seminar Series. "Single Vesicle Studies of Exocytosis — Tethering, Storage, Fusion, and Release." Manfred Lindau, assoc. prof. of applied and engineering physics, Cornell U. Clinical Sciences Research Bldg., Rm. 5550. 362-8560.

7 p.m. Architecture Monday Night Lecture Series. Coral Courts Lecture. "^{3}Blending^{2}." Wiel Arets, architect. 935-6200.

Wednesday, Sept. 18

8:15 a.m. Obstetrics & Gynecology Grand Rounds. "Exercise in Pregnancy." Becky A. Lynn, chief resident, obstetrics and gynecology. Clopton Aud., 4950 Children's Place. 362-1016.

3:45 p.m. Physics colloquium. "RHIC and the Quark-Gluon Plasma." Ulrich Heinz, prof of physics, Ohio State U. (Coffee, 3:30, Compton Hall, Rm. 245.) Crow Hall, Rm. 204. 935-6276.

4 p.m. Biochemistry & Molecular Biophysics seminar. "Biochemical and Structural Studies on a Viral Genome Packaging Machine." Carlos E. Catalano, assoc. prof. of pharmaceutical science, U. of Colo. School of Pharmacy, Denver. Cori Aud., 4565 McKinley Ave. 362-0261.

Thursday, Sept. 19

Noon. Genetics Seminar Series. "Yeast Transcriptional Regulatory Mechanisms." Kevin Struhl, prof. of biological chemistry and molecular pharmacology, Harvard Medical School. 362-2139.

4 p.m. Biology seminar. "The Nucleolus and Ribosomal Gene Transcription." Brian McStay, senior lecturer in biomedical research, U. of Dundee, Scotland. Rebstock Hall, Rm. 322. 935-7569.

4 p.m. Chemistry lecture. Joseph W. Kennedy Memorial Lecture. "The Effect of Dimensionality on the Properties of Matter." Stuart A. Rice, Frank P. Hixon Distinguished Service Professor in chemistry, U. of Chicago. (Reception, 3:30 p.m.) Lab Sciences Bldg., Rm. 300. 935-6530.

Music

Thursday, Sept. 12

8 p.m. Jazz at Holmes. Freddie Washington and group. Ridgley Hall, Holmes Lounge. 935-4841.

On Stage

Friday, Sept. 6

8 p.m. Performing Arts Dept. performance. *Dance Close-Up.* Cost: $14, $10 for senior citizens, WUSTL faculty, staff and students. (Also Sept. 7, 6 and 9 p.m.) Annelise Mertz Dance Studio, Mallinckrodt Student Center, Rm. 207. 935-6543.

British poet laureate Motion to speak Sept. 10

BY LIAM OTTEN

Andrew Motion, poet laureate of Britain and also a noted biographer, will speak on "Literary Biography" at 8 p.m. Sept. 10 for The Writing Program Reading Series. In addition, Motion will read from his poetry at 8 p.m. Sept. 12.

Both events are free and open to the public and take place in Hurst Lounge, Duncker Hall, Room 201. A book signing will follow each reading, and copies of Motion's works will be available for purchase.

Winner of the Whitbread Prize for biography, Motion — who will serve a weeklong residency as the Fannie Hurst Professor of Creative Literature in The Writing Program in the Department of English in Arts & Sciences — is the author of *The Lamberts: George, Constance & Kit* (1986); *Philip Larkin: A Writer's Life* (1933); and *Keats* (1997).

Most recently, he created the "probable memoir" *Wainewright the Poisoner: The Confessions of Thomas Griffiths Wainewright* (2000).

Motion has published eight books of poetry, including *Selected Poems 1976-1997* (1998); *Salt Water* (1997); *The Price of Everything* (1994); *Natural Causes* (1987); *Secret Narratives* (1983) and *The Pleasure Steamers* (1977). His novels include *Famous for the Creatures* (1991) and *The Pale Companion* (1989).

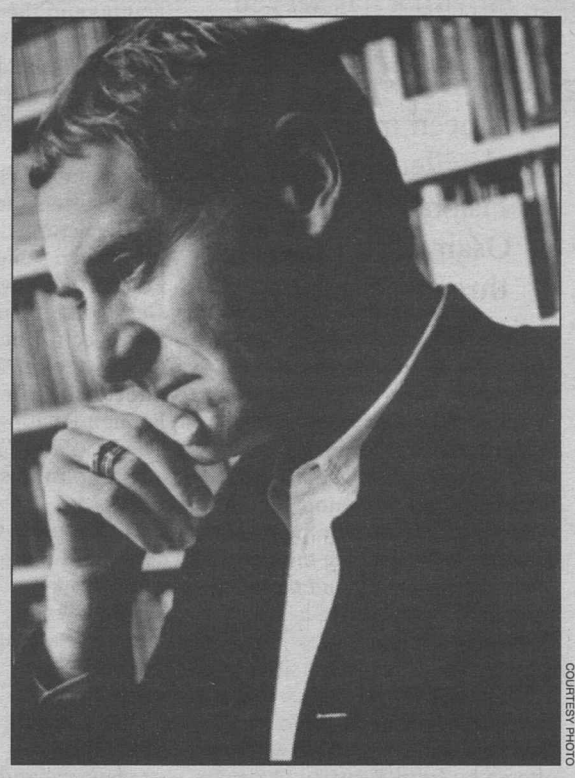
Of *Salt Water*, poet and critic Bernard O'Donoghue wrote, "Motion's greatest and most distinctive gift … is to look squarely at the world and describe it with a plain and unsentimental eloquence that makes worldly value seem all the more questionable. The more you read this book, the more clearly it emerges as a masterpiece of feeling and sensual evocation."

Motion was named poet laureate of Britain in 1999. Of this appointment, Motion said, "Although I'll be using my time as poet laureate to make things happen, I want to make sure I 'speak truth to power' as Hazlitt said. Poetry should never speak on behalf of power."

Born in London, Motion earned a doctorate in literature from University College, Oxford, and went on to direct Poetry Review and the poetry list at Chatto & Windus. He has written a critical study of *The Poetry of Edward Thomas*, published selections of the poetry of William Barnes and Thomas Hardy and, with Blake Morrison, edited the influential and controversial *Penguin Book of Contemporary British Poetry* (1982).

Since 1995, he has been professor of creative writing in the School of English and American Studies at the University of East Anglia.

For more information on the Washington University events, call 935-7130.



COURTESY PHOTO

Andrew Motion will speak at 8 p.m. Sept. 10 for The Writing Program Reading Series. Motion also will read from his poetry at 8 p.m. Sept. 12 and serve a weeklong residency as the Fannie Hurst Professor of Creative Literature in The Writing Program in the Department of English in Arts & Sciences.

Andrew Motion

Who: Poet laureate of Britain, noted biographer

Where: Hurst Lounge, Duncker Hall, Room 201

When: 8 p.m. Sept. 10

Admission Free and open to the public

Burke launches International Writers Center reading series

BY LIAM OTTEN

Biographer Carolyn Burke, author of *Becoming Modern: The Life of Mina Loy*, will launch the International Writers Center in Arts & Sciences' 2002-03 Writers Series with a pair of events.

At 7 p.m. Sept. 9, Burke will read from her work in the West Campus Conference Center. At 4 p.m. Sept. 10, she will conduct a seminar on "The Art of Biography" in McMillan Café, located in Old McMillan Hall.

Both events are free and open to the public and will be followed by book signings.

Born in Sydney, Australia, Burke holds a doctorate in English and comparative literature from Columbia University in New York. *Becoming Modern* (1996) has the rare distinction of being named an outstanding book by an independent scholar by the Modern Language Association while also serving as the basis of an original musical, performed at the University of Michigan Music School.

Burke's other works include translations of Belgian feminist philosopher Luce Irigaray's *This Sex Which Is Not One* (1985) and *The Ethics of Sexual Difference* (1993); and the volume *Engaging With Irigaray: Feminist Philosophy and Modern European Thought* (1994).

Burke also has published critical essays in the collections *Women in Dada* (1990); *Julien Levy: Portrait of an Art Gallery* (1998); and *Mina Loy: The Woman and the Poet* (1998). She is currently working on a life of photographer Lee Miller, to be published in 2003.

For more information, call 935-5576.

Writers Series

Who: Carolyn Burke

What: Reading from her work, at 7 p.m. Sept. 9, West Campus Conference Center; conducting a seminar on "The Art of Biography," 4 p.m. Sept. 10, McMillan Café, in Old McMillan Hall

Sports

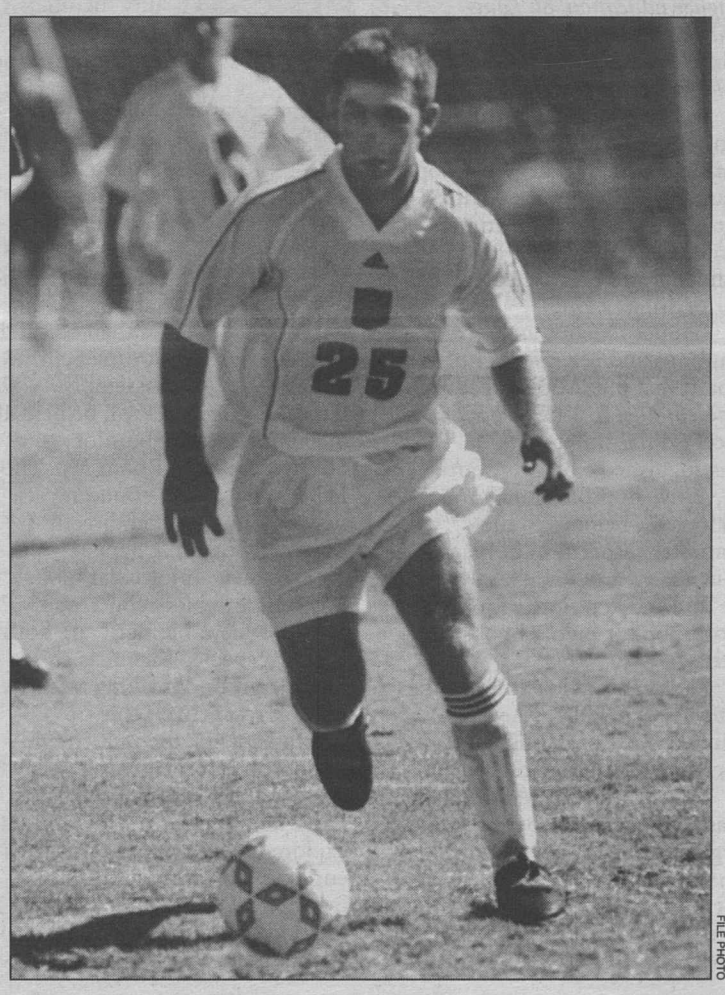
Spikers bury four in Pikes Peak tourney

The volleyball team opened the season by winning the Pikes Peak Challenge in Colorado Springs Aug. 30-31.The Bears won all four of their matches by identical 3-0 scores. They knocked off Gustavus Adolphus College and No. 10 Central College on Aug. 30. They then beat No. 20 Whitworth College and host Colorado College on Aug. 31 to take the championship. Sophomore Colleen Winter tallied 37 kills and 27 digs on the weekend, while senior setter Rebecca Rotello dished out 135 assists and collected 40 digs. The win against Whitworth marked a milestone for fourth-year head coach Rich Luenemann as he colleted his 100th win as Bears coach. In three-plus seasons at the University, Luenemann has posted a 101-20 record (.835). The Bears are back in action today and Sept. 7 when they host the WU Classic. They face Webster and Southwestern University today and Westminster and University of St. Francis (Ind.) Sept. 7.

Other updates

The **men's soccer** team opened the season 2-0 by recording a pair of 4-0 home victories Aug. 30-31. The Bears held MacMurray College to just two shots in the season-opening victory Aug. 30 at Francis Field. Matt Twardowski scored the game-winning goal and anchored a stingy Bear defense. Mark Gister scored twice and freshman Rob Weeks tallied his first collegiate goal. Gister scored his third goal of the season to open the scoring in a win over Denison University Sept. 1. Twardowski scored his second goal of the season, Akil Marsh had a goal and two assists and freshman Sam Jacobs scored his first collegiate goal.

First-year **women's soccer** coach Wendy Dillinger kicked off her coaching career in grand fashion as the Bears opened season with a 3-1 win at Maryville University on Aug. 30. Kim Raess scored twice and added an assist, while Brenda Harpole added a score and an assist. The Bears couldn't keep the momentum going in the home opener Sept. 1 as they fell to visiting William Woods University, 1-0 at Francis Field.



FILE PHOTO

Sophomore Matt Twardowski was named University Athletic Association Athlete of the Week for men's soccer, defense. He scored two goals and played a key role on defense in leading his team to a pair of 4-0 shutout wins Aug. 30 and 31.

Sports

Friday, Sept. 6

3:30 p.m. Volleyball vs. Webster U. Athletic Complex. 935-4705.

7:45 p.m. Volleyball vs. Southwestern U. Athletic Complex. 935-4705.

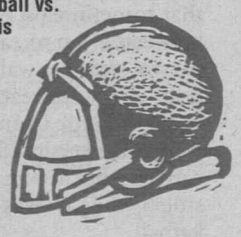
Saturday, Sept. 7

10:30 a.m. Volleyball vs. Westminster College. Athletic Complex. 935-4705.

Noon. Women's Soccer vs. Carleton College. Francis Field. 935-4705.

2:45 p.m. Volleyball vs. U. of St. Francis (Ind.). Athletic Complex. 935-4705.

4 p.m. Football vs. Simpson College. Francis Field. 935-4705.



Friday, Sept. 13

3:30 p.m. Volleyball vs. Wittenberg U. Athletic Complex. 935-4705.

8 p.m. Volleyball vs. Central College. Athletic Complex. 935-4705.

Saturday, Sept. 14

10:30 a.m. Women's Tennis vs. Cornell College. Tao Tennis Courts. 935-4705.

10:30 a.m. Volleyball vs. Ohio Northern U. Athletic Complex. 935-4705.

3 p.m. Volleyball vs. U. of Puget Sound. Athletic Complex. 935-4705.

7 p.m. Football vs. MacMurray College. Francis Field. 935-4705.

And more…

Friday, Sept. 6

Noon-8 p.m. Gallery of Art Book Fair. Gallery of Art. 935-4523.

Monday, Sept. 9

11 a.m.-4 p.m. American Red Cross Blood Drive. Sponsored by Circle K, Pi Phi Sorority, & human resources. Mallinckrodt Student Center, The Gargoyle. (Also Sept. 10, 11 a.m.-4 p.m.; Sept. 11-12, 5-10 p.m., Wohl Student Center, Friedman Lounge.) 658-5889.

7 p.m. Reading and book signing. *Becoming Modern: The Life of Mina Loy.* Carolyn Burke, literary biographer. West Campus Conference Center, 7425 Forsyth Blvd. 935-5576.

Tuesday, Sept. 10

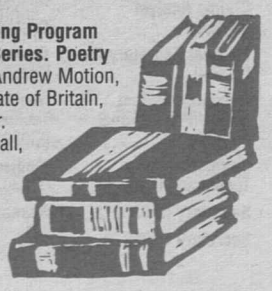
8:30 a.m.-4:30 p.m. Center for the Application of Information Technology workshop. "The Politics of IT Project Management."(Continues Sept. 11. Also Sept. 12-13, Oct. 8-9, and Oct. 10-11.) Cost varies. CAIT, 5 N. Jackson Ave. 935-4444.

8 p.m. Writing Program Reading Series. Andrew Motion, Poet Laureate of Britain, biographer. Duncker Hall, Rm. 201. 935-7130.

Thursday, Sept. 12

7:30 a.m. Center for the Application of Information Technology Technical Breakfast Briefing. "Workflow & Groupware Technologies: Their Real Impact in the Workplace." Richard Echeandia, senior manager, Experio Solutions, Chicago. Open to CAIT members only. CAIT, 5 N. Jackson Ave. 935-4444.

8 p.m. Writing Program Reading Series. Poetry reading. Andrew Motion, poet laureate of Britain, biographer. Duncker Hall, Rm. 201. 935-7130.



MetroLink

Construction to yield three new stations

– from Page 1

Skinker and Forest Park Parkway, and one at the corner of Big Bend and the parkway.

Between the two stations, the train will be above ground. The University tried to find a way to keep the train underground for the entire route, but because of underground utilities, the cost is significantly lower to bring the train back to grade.

A big concern for the University community was how the electromagnetic field (EMF) associated with powering the train would affect research in nearby buildings.

"The University retained a consultant a couple of years ago who has done a yeoman's job, and we now have a plan that everyone has agreed to for mitigating the EMF," Hoffner said. "We will not disrupt the sensitive research that is going on in chemistry and physics and some of the other sciences."

A MetroLink station and Clayton shuttle stop will also be erected at West Campus. The University has agreed to give up 35 parking spaces in the lot adjacent to the Firestone property. The station will be below-grade, but it will be open-air, similar to the Busch Stadium station.

Upon completion, the Medical, Hilltop and West campuses will be connected with the rest of the city via MetroLink.

"At the University, we view this as a wonderful asset not only for us but also the region," Hoffner said, "and we're hopeful that people will feel comfortable riding it, and they will leave their cars at home."

Series

Two speakers kick off schedule Sept. 11

– from Page 1

to join *The Boston Globe* as a reporter covering general assignments, the Boston schools and the Massachusetts state house.

It was at the *Globe*, at the age of 28, that Cooper received a Pulitzer Prize for his contribution to a 13-part series called "The Race Factor." The articles examined institutional racism in Boston, focusing on affirmative action at private colleges in the Boston area and comparing race relations in the New England city to those in Philadelphia and Miami.

In 1986, Cooper became the first African-American national correspondent of the Knight-Ridder newspaper group, covering major political stories including the 1988 presidential campaign of Michael S. Dukakis.

From there, he went to *The Washington Post*, covering national education issues as well as Congress. From 1996-99, Cooper served as the *Post's* south Asia bureau chief, where he covered eight developing nations.

In addition, Cooper has penned a Washington column as well as feature stories for the now-defunct *Emerge* magazine, and for *Essence*, *Black Issues in Higher Education*, *St. Louis Journalism Review*, ThinkIndia.com and the *Washington University Magazine*.

Before graduating from the University in 1977, where he earned an English degree, Cooper was active in campus activities, serving in student government and the Association of Black Students and being the news editor of *Student Life*.

Cooper remains an active alumnus and is a member of the board that publishes and advises *Student Life*. In 1989, Cooper received the University's Distinguished Alumni Award.

Active in professional organizations, he belongs to the National Association of Black Journalists, and for several years he directed a minority journalism workshop for high school students.

Kaufman graduated from the University in 2001, where she studied science writing with a focus on computer science.

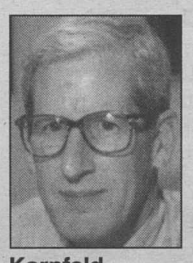
Throughout her tenure, she was active in a number of student organizations. She wrote for *Student Life*, served as an editor for four years and helped facilitate the incorporation of the newspaper.

She was a member of Thurtene, a junior honorary, serving as vice president of that organization and helping organize the student-run Thurtene Carnival. Furthermore, Kaufman served as a counselor for new students and led an "alternative" spring break program for students to refurbish homes for low-income families.

Since graduating, Kaufman has worked as a communications associate with The New York Academy of Medicine, a nonprofit medical research institution dedicated to enhancing the health of the public in urban areas.

Originally from New Rochelle, N.Y., and now a resident of New York City, Kaufman was more than 100 blocks from the Twin Towers when they were hit, but volunteered late nights for several months afterwards at a refreshment tent near Ground Zero. She also has attended recently held public meetings to discuss future plans for the World Trade Center site.

The rest of the fall schedule continues to feature speakers offering a variety of international perspectives. All Assembly Series lectures are held on Wednesdays at 11 a.m. in Graham Chapel, unless otherwise noted.



Kornfeld

Schaal

Each year the University bestows two major awards on selected faculty members. This year's recipients of the Faculty Achievement Awards are **Stuart Kornfeld** and **Barbara Schaal**, who will give presentations relating to their research for the Sept. 18 Assembly Series. The lectures will be held at 4:30 p.m. in the Laboratory Science Building, Room 300. The Laboratory Science Building is a new building located directly north of Graham Chapel.

Kornfeld, a molecular biophysicist and biochemist, and Schaal, a plant biologist, are both highly respected scientists conducting groundbreaking research in their respective fields.

On Sept. 25, the influential philosopher **Ian Hacking** will present a talk called "Body Parts: Large and Small," in which he will explore how new medical and scientific discoveries are transforming the way society thinks about the body. Hacking is the author of several major works in his field,

Soyinka has served as Nigeria's voice for a call to democracy and has been imprisoned and exiled as a result. … Fisk has interviewed Osama bin Laden three times, most recently in 1997.

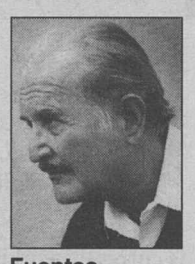
including *The Taming of Chance*, a cultural history of probability that was ranked by The Modern Library as one of the top 10 works of nonfiction in the 20th century, and *Rewriting the Soul: Multiple Personality and the Sciences of Memory*. He is the University Professor of Philosophy at the University of Toronto.

Another scientific topic with a philosophical perspective will be offered by **John Beatty** at 4 p.m. on Thursday, Sept. 26, in Rebstock Hall, Room 215. Beatty, the Morse Alumni Distinguished Teaching Professor at the University of Minnesota, will deliver the annual Thomas Hall Lecture, titled "Genetics, the Atomic Age and the Cold War." In his talk, Beatty will look at the role biology has played in national security issues.

The relationship between food, gender and culture will be explored on Oct. 2 by **Carole Counihan** for the annual Olin Conference Lecture. A cultural anthropologist and director of the women's studies program at Millersville University in Pennsylvania, Counihan's research has focused on food and culture studies. Her publications include *The Anthropology of Food and Body: Gender, Meaning and Power*.

Counihan

With more than a dozen novels and several major literary awards to his credit, Mexican writer **Carlos Fuentes** is one of the greatest authors writing today. His body of work includes the novels *Terra Nostra*, *Orchids in the Moonlight*, *The Death of Artemio Cruz*, *The Old Gringo* (which was made into a film starring Gregory Peck and Jane Fonda) and the newly-published *Inez: A Novel*, as well as books of essays, plays and short stories.



Fuentes

Fuentes also served as ambassador to France from 1975-77. His Oct. 9 talk, "Latinos and Americanos: What's in a Name?" is the Latin American Awareness Week Lecture.

Foreign policy expert and Pulitzer Prize-winner **Leslie Gelb** will present the first Elliot Stein Lecture at 4 p.m. Thursday, Oct. 10. Before assuming the directorship for the Council on Foreign Relations, Gelb was with *The New York Times* as a foreign affairs columnist and op-ed page editor.

In addition, Gelb has held a series of diplomatic and research positions; he served as assistant secretary of state for political-military affairs and as director of policy planning and arms control for international security affairs in the Department of Defense. Gelb's talk is titled "Why Values Still Matter."

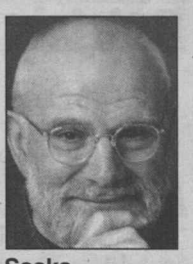
Gelb

Originally scheduled to appear last fall but canceled due to the grounding of flights after 9-11, art critic and popular culture writer **Dave Hickey** will deliver a talk Oct. 16. An important and distinctive voice in the art world, Hickey has been a gallery owner and director and is a former executive editor of *Art in America* magazine. Hickey also has written for major American publications including *Rolling Stone*, *Interview*, *The Village Voice*, *Harper's* and *Vanity Fair*.

Nobel Prize-winning Nigerian writer **Wole Soyinka** will present the keynote address for the Black Arts & Sciences Festival Oct. 23. This year's festival theme is "UNCAGED: For Blacks Who Considered Art When Assimilating Wasn't Enuf."

Soyinka has served as his nation's voice for a call to democracy and has been imprisoned and exiled as a result. His work includes the plays *Madmen and Specialists* and *Death and the King's Horseman*; his autobiographical work, *The Man Died: Prison Notes of Wole Soyinka*; his book of essays, *An Open Sore of a Continent*; and his book of poetry, *A Shuttle in the Crypt*. Now a permanent resident of the United States, Soyinka holds the Woodruff Professorship in the Arts at Emory University.

Famed neurologist and best-selling author **Oliver Sacks** will give a talk at noon Oct. 30. The success of his book, *Awakenings*, spawned a film by the same name starring Robert De Niro and Robin Williams. Through *Awakenings* and his other popular books, such as *The Man Who Mistook His Wife for a Hat*, *The Island of the Colorblind* and *An Anthropologist on Mars*, Sacks celebrates the humanity of those whose minds are imprisoned by a different consciousness. Last fall, he published his memoir, *Uncle Tungsten: Memories of a Chemical Boyhood*.



Sacks

Historian and author **Jan Gross** will deliver this year's Holocaust Memorial Lecture Nov. 6. His most recent book, *Neighbors: The Destruction of the Jewish Community in Jedwabne, Poland*, has received worldwide attention for its revelations concerning the massacre of 1,600 Jewish residents of Jedwabne in 1941. For decades it was believed that the massacre was perpetrated by the Nazis; Gross' findings proved that it was actually done by their gentile neighbors. How the current generation of citizens in the Polish town is dealing with this horrific legacy will be the center of Gross' talk.

British journalist **Robert Fisk** will deliver a talk Nov. 13 called "Report from the Middle East: The Politics of War, Foreign Policy and the Media Since Sept. 11." For 26 years, Fisk has covered events in the Middle East, first with *The Times* of London and now with the British-based *Independent*. His knowledge of the region is extensive, and he has covered most of the area's significant events. He has interviewed Osama bin Laden three times, most recently in 1997.

Completing the fall Assembly Series season will be a lecture by prominent Israeli playwright **Joshua Sobol**. The dramatist is best known for his "Ghetto Triptych": *Ghetto*, *Adam* and *Underground*. The three plays, written between 1983-87, deal with the Holocaust. Ghetto, the most famous of the three, has been performed throughout the world and has received international acclaim.

Sobol will be visiting campus to attend the premiere of his play, *Shooting Magda*, being performed Nov. 21-24 in the A.E. Hotchner Studio Theatre, Mallinckrodt Student Center, Room 208. His talk will discuss the play, whose plot revolves around the theme of Israeli-Palestinian relations.

All Assembly Series programs are free and open to the public. For more information about the Assembly Series lectures, visit the Web site at wupa.wustl.edu/assembly, or e-mail assemblyseries@aismail.wustl.edu to send a question or comment.

Employment

Go online to **hr.wustl.edu** (Hilltop Campus) or **medicine.wustl.edu/wumshr** (Medical Campus) to obtain complete job descriptions.

Hilltop Campus

Information regarding positions may be obtained in the Office of Human Resources, Room 130, West Campus. If you are not a WUSTL staff member, call 935-9836. Staff members call 9355906.

Research Technician 000256

Senior Medical Sciences Writer 010108

Planned Giving Officer 020086

Career Development Specialist 020317

Engineering Collections & Services Asst. 020337

Occupational Health Safety Technologist 020339

Staff Psychologist 020351

Senior Investment Analyst 020352

Mechanic (Bargaining Unit Employee) 020358

Assoc. Dir, Corporate Relations 020365

Regional Director of Development 020367

Career Dev. Specialist – Grad Students 020381

Internship Coordinator 020382

Health Services Physician 030009

Assistant Director of Admissions 030011

PC Support Technician 030016

Application Processor 030022

Senior Contract Management Liaison 030032

Department Secretary 030033

Project Assoc. 030039

Computer & Data Technician 030040

Accounting Manager 030043

Grant/Accounting Supervisor 030045

Accounting Asst. 030046

Clinical Program Coordinator 030051

School Accounting Manager 030053

Admin. Asst. for Publications and Summer School 030058

Animal Caretaker 030060

Deputized Police Officer 030062

Physical Therapist 030064

Admin. Asst. to the Dean 030068

Coordinator of Media Relations 030061

Accounts Receivable Service Rep. 030070

Laboratory Technician/Analytical Chemist 030071

Telephone Operator 030073

Secretary 030074

Manager, Accounts Payable 030076

Trial & Advocacy Program Coord. 030077

Volunteer Coordinator 030078

Registered Nurse 030079

Coord. Of Undergrad Admin. & Freshman Programs 030080

Data Entry Processor 030081

Medical Campus

This is a partial list of positions in the School of Medicine. Employees: Contact the medical school's Office of Human Resources at 3627196. External candidates: Submit résumés to the Office of Human Resources, 4480 Clayton Ave., Campus Box 8002, St. Louis, MO 63110, or call 362-7196.

Phlebotomist Part-Time 020872

Professional Rater I – Part Time 030235

Medical Records Clerk 030244

Insurance, Billing and Collections Asst. II 030253

Insurance, Billing, and Collections Asst. III 030255

Research Technician II 030265

Team Leader-Operations 030266

Compliance Review/ Claims Analyst 030268

Medical Secretary II 030269

Research Patient Coord./Professional 030270

Senior Research Technician 030271

Secretary III 030272

Secretary I 030273

Supervisor, Clinical Office 030275

Division Administrator 030283

Team Leader – Operations 030284

Patient Billing/Services Rep. I 030285

Research Technician I 030286

Secretary III 0302093

Statistical Data Analyst 030294

Research Technician II 030297

Custodian 030298

Custodian 030299

Custodian 030300

Clinical Nurse Specialist 030301

Health Physics Technologist 030302

Medical Secretary II 030303

Research Technician II 030304

Campus Watch

The following incidents were reported to University Police **Aug. 27-Sept. 2**. Readers with information that could assist in investigating these incidents are urged to call 935-5555. This information is provided as a public service to promote safety awareness and is available on the University Police Web site at **police.wustl.edu**.

Aug. 28

12:17 p.m. — Four lockers in the men's locker room in the Athletic Complex were broken into. Wallets and credit cards were stolen. There are no suspects.

3:10 p.m. — A student reported that she parked and secured her vehicle in Parking Lot No. 2, across from Bixby and Givens halls. When she returned to where she had left her vehicle, an unknown person had stolen it. Total loss is estimated at $7,748.

4:14 p.m. — A person reported that sometime on Aug. 27 between 2-3 p.m., an unknown person stole his wallet from the floor of the Recreational Gym in the Athletic Complex. His wallet, University identification card, credit card and cash were stolen while he was playing basketball.

Additionally, University Police responded to one report each of sexual offense, property damage, larceny and auto accident.

Notables

Introducing new faculty members

The following are among the new faculty members at the University. Others will be introduced periodically in this space.

Lev Gelb, Ph.D., joins the Department of Chemistry in Arts & Sciences as assistant professor. He earned a doctorate from the University of Cambridge and a bachelor's from Columbia University. A theoretical chemist with a particular focus on statistical mechanics and molecular simulation, his research centers on theoretical studies of nanostructured materials such as silica aerogels and xerogels, and fluids trapped in nanoscale pores; he also is interested in nanotechnology and nanomachinery. Most recently, he was an assistant professor of chemistry at Florida State University. His awards include a National Science Foundation (NSF) CAREER award, NSF Graduate Fellowship, British Marshall Scholarship, Honorary Cambridge Commonwealth Trust Scholar and Perkin-Elmer Corporate Scholarship.

Amy Walker, Ph.D., joins the Department of Chemistry in Arts & Sciences as assistant professor. She earned a bachelor's in 1995 and doctorate in 1998, both from the University of Cambridge. Her research focuses on using surface science techniques and imaging mass spectrometry to build and study molecular electronic devices and complex interfaces. She also works on the development of new secondary ion mass spectrometry ion sources, improving mass and spatial resolution in imaging mass spectrometry, making metallic contacts to molecules and measuring the electrical behavior of thin films. Most recently, she was a postdoctoral scholar at Pennsylvania State University. Her awards include several "best paper" conference prizes; a research studentship from Shell Research and Technology Centre, Amsterdam and a Nuffield Foundation Undergraduate Research Bursary.

Carrine Blank, Ph.D., joins the Department of Earth & Planetary Sciences in Arts & Sciences as assistant professor. She earned a bachelor's from the University of Washington in 1992 and a doctorate from the University of California, Berkeley, in 2002. She uses geochemical and molecular biological approaches to study microbial populations in Yellowstone National Park. She also studies the evolutionary history of microbes as a means of understanding the early evolution of life, the geochemical conditions under which early life evolved, and how microbes have influenced the changing chemistry of the Earth through time.

Jennifer Smith, Ph.D., joins the Department of Earth & Planetary Sciences in Arts & Sciences as assistant professor. She earned a bachelor's magna cum laude from Harvard University in 1996, and a master's in 1998 and doctorate in 2001, both from the University of Pennsylvania. Her research focuses on developing landscape and climate histories for regions surrounding archaeological sites, with the goal of examining human-environment interaction in the archaeological record.

Of note

Samuel Achilefu, Ph.D., associate professor of radiology, **Carolyn J. Anderson**, Ph.D., associate professor of radiology, and **John Schotland**, M.D., Ph.D., associate professor of electrical engineering, have received a three-year, $620,000 grant from the National Science Foundation for research titled, "Biophotonics: Novel RGD Peptide Dendrimeric Optical Contrast Agents for Imaging Tumor Angiogenesis." …

Stephen Legomsky, J.D., D.Phil, Nagel Professor of International Law, was appointed a senior visiting fellow at Oxford University and a senior researcher at the UN High Commission for Refugees in Geneva for the past spring and summer. In the past several months he has given invited presentations at the University of Wisconsin, the University of California, Davis, and Georgetown University, and in Porto Alegre (Brazil), Dublin, Oxford, Bogota, Potsdam, Maastricht (Netherlands), Casablanca, Geneva, and Kathmandu on various immigration, refugee, human rights, and criminal law subjects. …

Barry Hong, Ph.D., assistant professor of medical psychology in psychiatry, and **Amy Waterman**, Ph.D., research associate in general medical sciences, have received a one-year, $24,500 grant from the Missouri Kidney Program for research titled "Increasing Living Donor Volunteer Rates, Comfort, and Satisfaction: A Comparison of Three Educational Approaches." …

Dora E. Angelaki, Ph.D., associate professor of neurobiology, has received a three-year, $970,937 grant from the National Aeronautics and Space Administration for research titled "Multisensory Interactions to Discriminate Gravity for Translational Accelerations." …

James Benjamin Skeath, Ph.D., assistant professor of genetics, has received a one-year, $152,445 grant from the National Aeronautics and Space Administration for research titled "Evolution of Anthropod Neural Pattern." …

Andrew Pekosz, Ph.D., assistant professor of molecular microbiology, has received a two-year, $60,000 grant from the Infectious Diseases Society of America for the "2001 Wyeth-Lederle Vaccines Young Investigator Award in Vaccine Development." …

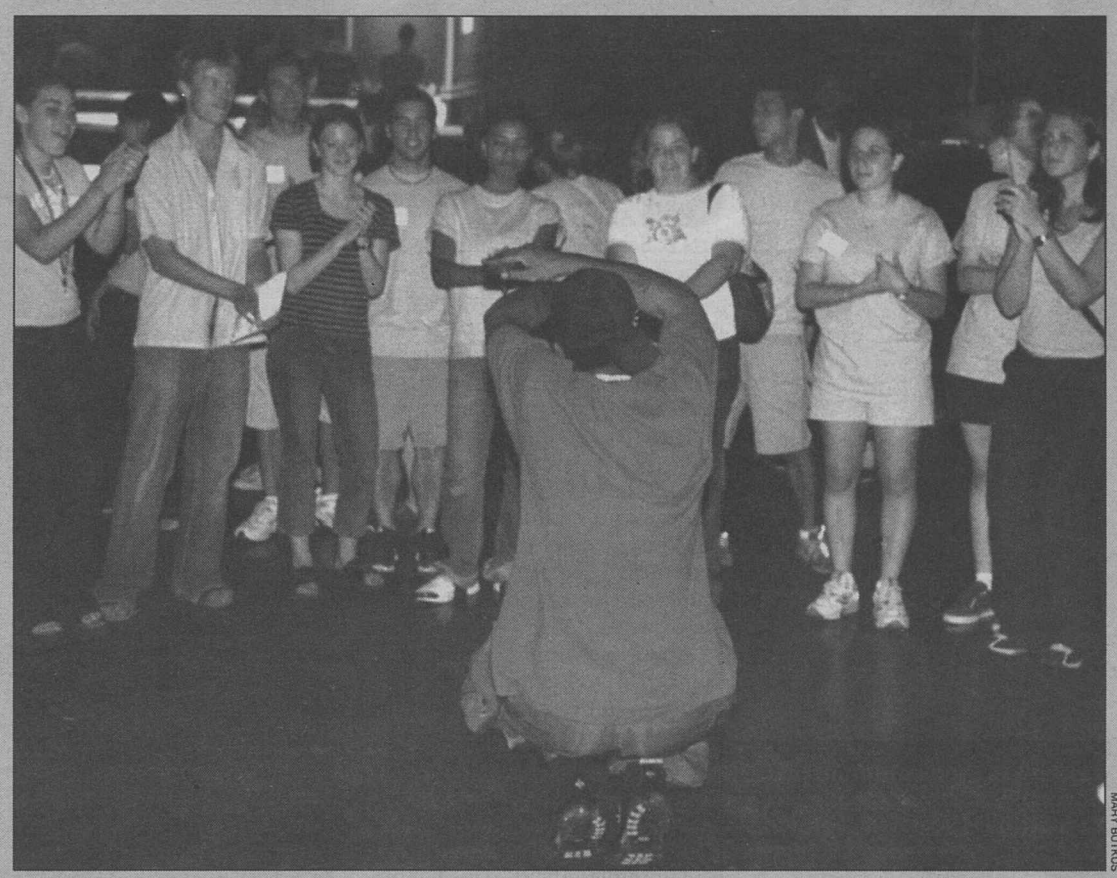
Mario Schootman, Ph.D., assistant professor of medicine, has received a two-year, $408,540 grant from the National Institute on Aging for research titled "Radiation Therapy in Older Breast Cancer Patients." …

Ling-Gang Wu, Ph.D., assistant professor of anesthesiology, has received a five-year, $951,700 grant from the National Institute on Deafness and Other Communication Disorders for research titled "Sustained Transmitter Release During Repetitive Firing." …

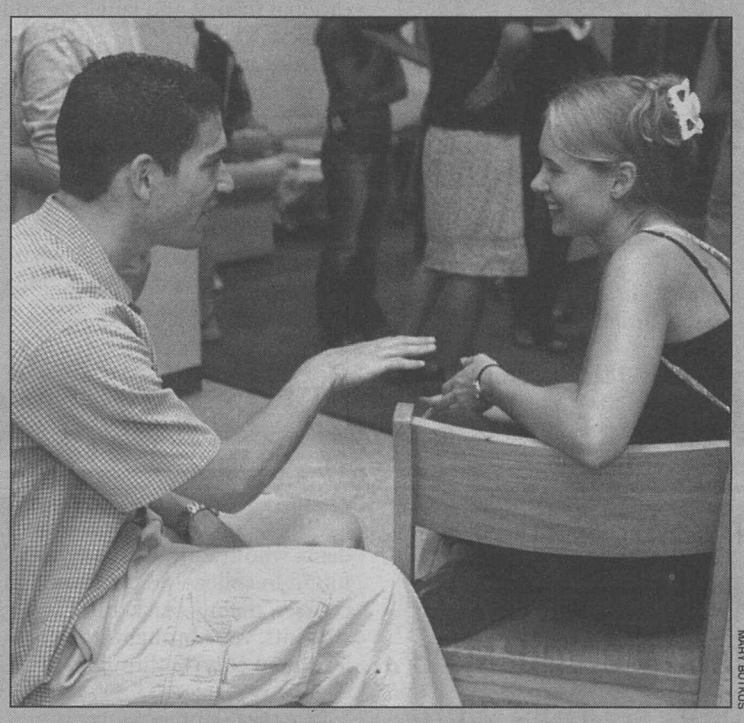
Michael S. Diamond, M.D., Ph.D., assistant professor of medicine, has received a three-year, $447,045 grant from Centers for Disease Control and Prevention for research titled "Applied Research in Emerging Infections Investigations of West Nile Virus." …

Irina Surgucheva, Ph.D., assistant professor of ophthalmology and visual sciences, has received a three-year, $462,000 grant from the National Eye Institute for research titled "Role of Persyn in Neurodegeneration." …

Daniel S. Ory, M.D., assistant professor of medicine, has received a one-year, $124,300 grant from the Ara Parseghian Medical Research Foundation for research titled "Proteomic Analysis of the NPC1 Compartment." …



MARY BUTKUS



MARY BUTKUS

New students meet 'n' mingle

Above, University freshmen "get down" at The Pageant in the University City Loop during Orientation's "Evening of Fun at The Pageant." The event featured some of the University's finest performers, along with the always-entertaining "Magic Mark" Wrighton, the chancellor's alter ego who wowed the attentive audience with clever chemistry tricks. At right, sophomore Diego Chojkier (left) talks with classmate Carrie Kran at the Transfer Student Social, also part of Orientation, at the South 40. The social provided an opportunity for transfer students to get to know each other and to meet upperclass residential college staff members.

Kathryn L. Plax, M.D., instructor of pediatrics, has received a one-year, $50,285 Medicine as a Profession Program Fellowship grant from the Open Society Institute. …

Monica Bessler, M.D., Ph.D., assistant professor of medicine, has received a four-year, $300,000 grant from the American Heart Association for research titled "Glycosyl Phosphatidylinositol (GPI) — Anchor Deficiency Targeted to the Erythroid/ Megakaryon Lineage." …

Thomas G. Diacovo, M.D., assistant professor of pediatrics, has received a four-year, $300,000 grant from the American Heart Association for research titled "Kinetic Analysis of the GPIb Alpha-vWF-A1 Bond and Influence of Type 2b Mutations." …

George W. Gokel, Ph.D., professor of molecular biology and pharmacology, has received a two-year, $80,000 grant from the American Chemical Society for research titled "Molecular Probes of Cation-Arene Interactions." …

Lawrence H. Snyder, M.D., Ph.D., assistant professor of anatomy and neurobiology, has received a three-year, $300,000 grant from The EJLB Foundation for research titled "Deciding to Act: The Role of the Frontal Cortex in Releasing and Inhibiting Goal Directed Movements." …

Edward M. Barnett, M.D., Ph.D., assistant professor of ophthalmology and visual sciences, has received a four-year, $200,000 Research to Prevent Blindness Career Development Award from Research to Prevent Blindness.

Campus Authors

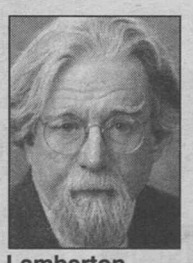
Robert D. Lamberton, Ph.D., professor and chair of the Department of Classics in Arts & Sciences

Plutarch

(Yale University Press, 2001)

Written around 100 A.D., Plutarch's *Lives* — a collection of biographies about ancient Greeks and Romans — has shaped perceptions of the accomplishments of the ancient Greeks and Romans for nearly 2,000 years.

In the engaging and stimulating book *Plutarch*, Robert D. Lamberton, professor and chair of the Department of Classics in Arts & Sciences, introduces both general readers and students to Plutarch's own life and work.



Lamberton

Lamberton sketches the cultural context in which Plutarch worked — Greece under Roman rule — and discusses his family relationships, background, education and political career. There are two sides to Plutarch: the most widely read source on Greek and Roman history, and the educator whose philosophical and pedagogical concerns are preserved in the vast collection of essays and dialogues known as the "Moralia."

"Plutarch is a probably read more today as a source for ancient history than any other author, but he was emphatically not a historian — he says so himself," Lamberton said. "My book attempts to show just what sort of writer he was, and hence, what we can expect from him, as well as what we should not expect."

Lamberton analyzes these neglected writings, arguing that we must look here for Plutarch's deepest commitment as a writer and for the heart of his accomplishment. The author also explores the connection between biography and historiography and shows how Plutarch's parallel biographies served the continuing process of cultural accommodation between Greeks and Romans in the Roman Empire.

He concludes by discussing Plutarch's influence and reputation through the ages.

Plutarch is available at the Campus Bookstore in Mallinckrodt Student Center.

— Neil Schoenherr

Washington People

Challenging popular theories

Garrett A. Duncan, Ph.D., examines highly competitive high schools with a substantial number of African-American students

BY NEIL SCHOENHERR

Garrett Albert Duncan, Ph.D., assistant professor of education and of African and Afro-American Studies, both in Arts & Sciences, didn't always want to be in the field of education.

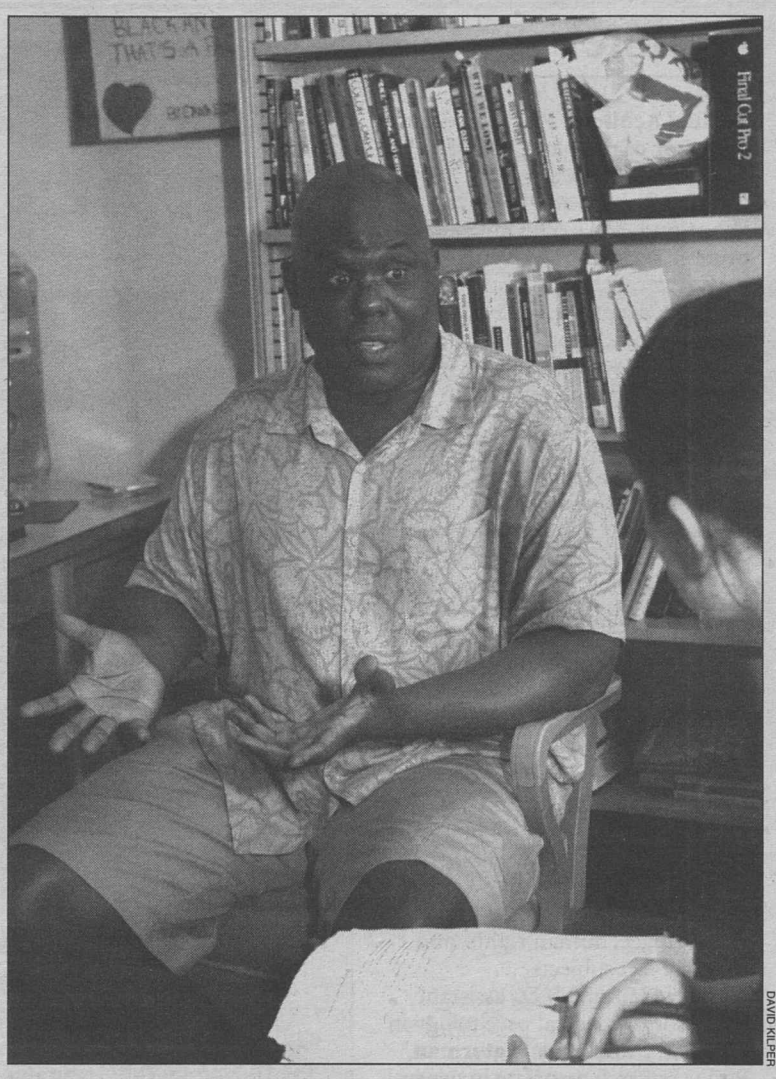
Growing up in the Bay Area of northern California, Duncan desired to carry his love of animals into the field of veterinary medicine.

"After working in a veterinary office for a few years, I discovered I was actually afraid of animals," Duncan said, smiling.

While he still loves animals, at least from a distance, Duncan has found his true passion — mentoring students.

An award-winning educator, Duncan is credited with helping countless underrepresented young people excel in upper-level coursework at the junior high and high school levels. He also is a noted and renowned researcher, studying African-American adolescent development, critical educational theory, and language and literacy.

Duncan earned a bachelor of science in biology from California State Polytechnic University in 1984 and earned teaching credentials in life science in 1989. During these years, while teaching at the middle school and later the high school levels, Duncan had "what was considered to be tremendous success as a teacher."



DAVID KILPER

Garrett Albert Duncan, Ph.D., assistant professor of education and of African and Afro-American Studies, both in Arts & Sciences, says, "The University has the best students in the world. They are extremely bright, quite studious and come to class prepared and ready to argue passionately and intelligently about ideas. In addition, they have greatly assisted me in carrying out my research."

"By this, I mean that the students who traditionally were not found in college-preparatory courses, mainly black and Latino students, were brought into college-prep courses through my chemistry classes," Duncan said. "Since these students were supposedly at risk and were not necessarily meant to succeed in school, those who bought into stereotypes about so-called uneducable black and brown students made me out to be a hero.

"But I came into the classroom knowing that kids, as long as they are intellectually engaged and know that you care about them, will respond to what is going on. I actually learned more from those young people than they learned from me."

Duncan had planned on going to graduate school to study behavioral science, but he was encouraged by the dean of his undergraduate college of education to pursue a doctorate in education.

"I really wanted to challenge some of these popular theories and concepts about the education of students of color, mainly black and Latino, working class as well as middle class," Duncan said. "There was very little in the research literature that corresponded with what I knew about these students, and I wanted to contribute to redirecting the academic discourse about them."

Duncan earned a doctorate in education from The Claremont Graduate School in 1994.

"In going to graduate school, my purpose was to examine the social conditions and moral and material contexts that continue to produce what are essentially color-coded educational stratifications," he said. "My original orientation was very heavy in education theory, perhaps largely due to me trying to reconcile my experiences as a teacher with what was in the research literature."

After graduation, Duncan was prepared to take a job as a language researcher at a university in southern California. But at the very last minute, circumstances changed and the position was closed.

"Folks say things happen for a reason," Duncan said. "Three months later I saw an announcement for a postdoc position here at Washington University in African and Afro-American Studies. I applied for it, was offered the position, enthusiastically accepted it and have been very happy with the way things worked out."

"Since his arrival at the University, Garrett has set a standard for having an impact on our students. He is a terrific asset as a teacher and colleague, and his work at high schools in St. Louis and the region — as well as nationally and internationally — make him a very visible member of the University community. I can't tell you how pleased we are to have him here."

JAMES V. WERTSCH

When Duncan first arrived at the University in 1996, he began working in an elementary-school setting on a project started by James V. Wertsch, Ph.D., the Marshall S. Snow Professor in the education department. Duncan still works with these same elementary schools, encouraging University students to do field work at them.

"One of the things that concerns me is that oftentimes university professors will go into a setting, conduct their research, write their book or article and leave," Duncan said. "I think that exploits the community and only diminishes their view of researchers and Universities. I live in St. Louis and I have a commitment to the city and want to see it grow. That's why I keep coming back to these same schools — I believe that Washington University has tremendous intellectual resources and has an obligation to share them with the community."

While Duncan still works with elementary schools, his area of scholarly focus remains secondary schools, primarily high schools. He focuses mainly on the education of African-American youth in urban and suburban settings, examining the role of language in shaping their academic and social experiences in school.

His current study of three local high schools and one in Rochester, N.Y., has lasted three years. To complete it, Duncan recently received a grant from the Office of Educational Research and Improvement of the Department of Education and the American Educational Research Association.

His primary focus is highly competitive high schools with a substantial number of African-American students. Competitive schools are normally defined as having high graduation rates, high-stakes test scores and a high placement rate of students into top-notch colleges.

Duncan chose to focus on these particular schools because although "education is a core black cultural value," in most cases, competitive high schools tend to lack African-American students.

"We should express outrage at the lack of black students, and black males in particular, in these highly competitive programs," Duncan said. "But we expect there to be few black students in these programs. They accept it as normal."

Duncan said one of the things he's found by going into these high schools is that cultural models, such as "the purported anti-intellectualism of black students" that shapes how these students are perceived by teachers and by other students, are perhaps the greatest factors in the success or failure of these students in highly competitive settings.

"Sports and hip-hop are the No. 1 explanatory devices teachers and administrators used to explain the absence of black males in highly competitive programs," Duncan said. "But black males never refer to these things as being relevant to how they see themselves as students.

"I've concluded that the largest factor in determining the success or failure of these young men is how they are treated — by their peers, teachers and administrators."

Duncan is extremely appreciative of the backing he has received from the University community.

"I could not have done the work that I'm doing without the support of the University," he said. "I can't imagine a better place to do this research. First and foremost, the University has the best students in the world. They are extremely bright, quite studious and come to class prepared and ready to argue passionately and intelligently about ideas. In addition, they have greatly assisted me in carrying out my research."

Duncan also knows that he is valued by the departments of Education and African and Afro-American Studies, as well as by other programs and departments in the University.

"They make sure I have what I need in order to do my work," he said. "The resources and moral support at this University are tremendous. If I can imagine it, it can be done."

He gives back to his students the feeling of hospitality he receives from his peers.

"Since his arrival at the University, Garrett has set a standard for having an impact on our students," said Wertsch, former chair of the Department of Education. "He has been a major presence in many students' lives, and this only promises to increase in the future.

"He is a terrific asset as a teacher and colleague, and his work at high schools in St. Louis and the region — as well as nationally and internationally — make him a very visible member of the University community. I can't tell you how pleased we are to have him here."

Students have responded well to Duncan's courses. He received the Council of Students of Arts & Sciences Faculty Recognition Award from 1998-2000. He was named Faculty Member of the Year by the Association of Black Students for the 1998-99 academic year and was named Outstanding Faculty Member by the Women's Panhellenic Association in 1998.

"I'm truly happy to be here and I'm happy that I'm able to have an impact on these students," Duncan said. "They really are a pleasure to work with."

Garrett A. Duncan, Ph.D.

University title: Assistant professor of education and of African and Afro-American Studies, both in Arts & Sciences

Academic degrees: Bachelor of science in biology, California State Polytechnic University, 1984; teaching credentials in life science, 1989; Ph.D. in education, The Claremont Graduate School, 1994

Hobbies: Reading, traveling, jazz music, theater